ABSTRACT

The disclosed invention herein is a method for extracting fingerprint feature data using a ridge orientation model. The fingerprint feature data extracting method includes the steps of inputting a fingerprint image, extracting ridge orientations according to regions, calculating ridge qualities according to regions and separating background region from the fingerprint image, extracting regions having a core and a delta, setting an initial ridge orientation model, calculating a ridge orientation function, and extracting the ridge orientations and the core and delta positions of the fingerprint image.